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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/399,682	09/21/1999	KEHSING J. CHOU	A8009	2544

7590 04/10/2003

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EXAMINER

NGUYEN, TAM V

ART UNIT	PAPER NUMBER
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2172

DATE MAILED: 04/10/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/399,682

Applicant(s)

VO ET AL.

Examiner

Tam V Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 January 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: |

DETAILED ACTION

1. Claims 1-21 are pending in this action. Claims 1-21 are presented for examination. This office action is in response to the request for reconsideration filed on 01/02/03.

Response to Arguments

2. Applicant's arguments with respect to claims 1-21 have been considered but are moot in view of the new ground(s) of rejection. The pending claims are 1-21.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-2, 6-9, 13-16, and 20-21 are rejected under 35 U.S.C. 102(e) as being anticipated by Ratnaraj et al. (US 6185567B1).

Re claims 1, 8, and 15, Ratnaraj discloses receiving a request for data, (in fig. 3, item #70) at a federated data source, (in fig. 3, item # 42 is a federated data source, col. 7, lines 25-52); and from the federated data source, retrieving data from: one or more terminal data repositories, (in fig. 3, item #74 are terminal data repositories, (col. 7, lines 25-52); and one or more search gateway data sources, (in fig. 3, item # 72 is a search gateway data source, col. 7, lines 25-52)

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Re claims 2, 9, and 16, Ratnaraj discloses wherein each search gateway data source searches for data in one or more other data source, (col. 7, lines 25-52 and see fig. 3).

Re claims 6, 13, and 20, Ratnaraj discloses wherein retrieving data from one or more search gateway data sources comprises submitting a search gateway query from the federated data source to each search gateway data source, (col. 7, lines 25-53).

Re claims 7, 14, and 21, Ratnaraj discloses wherein each terminal data repository and each search gateway data source may be queried for data directly, (col. 7, lines 25-53).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 3, 10, and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ratnaraj et al. (US 6185567B1).

Re claims 3, 10, and 17, Ratnaraj further discloses wherein the federated data source, (fig. 3, item # 42 is a federated data source, col. 7, lines 25-53), each terminal

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data repository (fig. 3, item #74 is terminal data repository, col. 7, lines 25-53). And Ratnaraj discloses each search gateway data source, (fig. 3, item #72, col. 7, lines 25-53); but Ratnaraj does not clearly disclose each search gateway data source is a data object. However, Ratnaraj shows in fig. 3, item # 74 include applications for commonly requested reports such as balance sheets, price graphs, and other analytical comparisons, as well as flexible request forms which allow the user to customize generated reports and data selection, (col. 7, lines 54-63). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to employ each search gateway data source is a data object as taught in Ratnaraj because the data object provides more visual effects on the price graphs objects.

7. Claims 4-5, 11-12, and 18-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ratnaraj et al (US 6185567B1) in view of Lai (US 6446087B1).

Re claims 4, 11, and 18, Ratnaraj discloses the claimed subject matter as discussed above. Although, Ratnaraj teaches the search gateway data source is a data object but does not include the claimed class that inherits the properties of a base data source class.

However, Lai discloses wherein each data object is based on a class that inherits the properties of a base data source class, (col. 3, lines 43-58).

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Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Ratnaraj with the teaching of Lai to modify and update the data stored in the data objects with less complexity.

Re claims 5, 12, and 19, Ratnaraj does not disclose, "Wherein each data object is manipulated via method of the class on which the data object is based."

However, Lai discloses wherein each data object is manipulated via method of the class on which the data object is based, (col. 3, lines 43-58).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Ratnaraj with the teaching of Lai to modify and update the data stored in the data objects with less complexity.

Claim Rejections - 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

9. Claims 1, 8, and 15 are rejected under 35 U.S.C. 102(b) as being anticipated by Lagarde et al. (US 5761663).

Re claims 1, 8, and 15, Lagarde discloses receiving a request for data at a federated data source, (in fig. 1, item # 11 is a federated data source, col. 9, lines 3-58); and from the federated data source, retrieving data from: one or more terminal data repositories, (in fig. 1, item # 12, and 14-18 are terminal data repositories, col. 9, lines 3-58); and one or more search gateway data sources, (in fig. 1, item # 18 is a search gateway data source, col. 9, lines 3-58).

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Contact Information

10. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tam V Nguyen whose telephone number is (703) 305-3735. The examiner can normally be reached on 7:30AM-5:00PM.

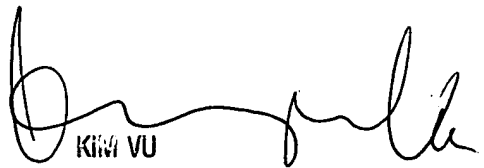
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Yen Vu can be reached on (703) 305-4393. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7239 for formal communications and (703) 746-7240 for informal communications.

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, Virginia 22202. Fourth Floor (Receptionist).

12. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

TV:tv

03/03/03


KIM VU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100